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**Originating Office: Legal****From:** Paul J. White**To:** Office of Petitions**Company:** U.S. Patent & Trademark Office  
Washington, DC

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JAN 30 2002

**No. Pages:** 26 (Including cover sheet)

PETITIONS OFFICE

**Date:** January 30, 2002

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**Fax:** 703/308-6916

01 FEB 2002

**Our Fax No.:** 303/384-7499

Legal staff

International Division

**For Questions Call: Brenda Brantley, 303/384-7572**

See attached documents.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: James L. Tangler et al. )  
Serial No.: Not Yet Accorded ) Group Art Unit: Not Yet Accorded  
Filing Date: Not Yet Accorded )  
Title: Cooling Tower Fan Airfoils ) Examiner: Not Yet Accorded  
Atty. Docket: NREL IR# 99-17 )

COMMUNICATION**FAX RECEIVED**

Assistant Commissioner for Patents  
U.S. Patent & Trademark Office  
Washington, DC 20231

JAN 30 2002

**PETITIONS OFFICE**

Attn: Office of Petitions

Dear Sir:

Applicant had telephoned the Office of Petitions to inquire about a Petition to Revive of an International Application for Patent Designating the U.S. Abandoned Unintentionally Under 37 CFR 1.137(b) that was mailed to the Patent Office on September 14, 2001 in the above-referenced application.

Applicant was told that the Petition had not been received by the Office of Petitions and requested that Applicant faxed the documents directly to their Office.

Applicant has attached the following documents:

- 1) Transmittal Letter to the U.S. Designated/Elected Office Concerning a Filing Under 35 U.S.C. 371
- 2) Petition for Revival of an International Application for Patent Designating the U.S. Abandoned Unintentionally Under 37 CFR 1.137(b)
- 3) Combined Declaration & Power of Attorney
- 4) Copy of International Patent Application
- 5) Certificate of Mailing Under 37 CFR 1.10
- 6) Postcard Receipt

In view of the above, Applicant hopes that the Office of Petitions will review the attached documents and allow the patent application to be filed.

Respectfully submitted,



Paul J. White, Reg. No. 30,436

Senior Counsel for Applicants

Dated: January 30, 2002.

National Renewable Energy Laboratory  
1617 Cole Blvd.  
Golden, CO 80401  
303/384-7575

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): James L. Tangier et al. )  
Serial No.: Not Yet Accorded ) Group Unit: Not Yet Accorded  
Filing Date: Not Yet Accorded ) Examiner: Not Yet Accorded  
Title: Cooling-Tower Fan Airfoils ) Atty Dkt. No.: NREL 99-17

## CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

Express Mail Mailing Label No. EJ200220801USDate of Deposit September 14, 2001

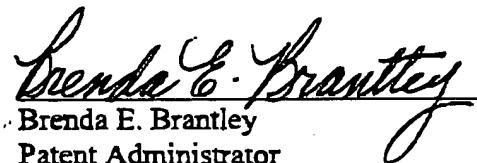
FAX RECEIVED

I hereby certify that the following documents:

MAN 30 2002

1) Transmittal Letter to the U.S. Designated/Elected Office Concerning PETITIONS OFFICE  
a Filing Under 35 U.S.C. 371 [2 pages]  
2) Petition for Revival of an International Application for Patent  
Designating the U.S. Abandoned Unintentionally Under 37 CFR 1.137(b)  
[2 pages]  
3) Un-executed Combined Declaration & Power of Attorney [2 pgs.]  
4) Copy of International Patent Application [description 10 pgs, claims 4 pgs.,  
abstract 1 pg + 1 sheet drawings] 16 pages  
5) Self-Address Postcard Receipt

are being deposited in the U.S. Postal Service "Express Mail Post Office to Addressee" service under  
37 C.F.R. § 1.10 on the date indicated above and is addressed to the Assistant Commissioner for  
Patents, U.S. Patent & Trademark Office, Box DAC, Washington DC 20231.

  
Brenda E. Brantley  
Patent Administrator

National Renewable Energy Laboratory  
1617 Cole Blvd.  
Golden, CO 80401  
303/384-7572  
Fax No. 303/384-7499

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV. 11-2000)		ATTORNEY'S DOCKET NUMBER NREL 99-17	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5 <b>10/089469</b>	
INTERNATIONAL APPLICATION NO. PCT/US00/01742	INTERNATIONAL FILING DATE 21 JANUARY 2000	PRIORITY DATE CLAIMED 08 FEBRUARY 1999	
TITLE OF INVENTION <b>COOLING-TOWER FAN AIRFOILS</b>			
APPLICANT(S) FOR DO/EO/US <b>JAMES L. TANGLER AND DAN M. SOMERS</b>			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 3 1).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> has been communicated by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto.</li> <li><input checked="" type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> have been communicated by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>			
<p>Items 11 to 20 below concern document(s) or information included:</p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information:</p>			
<p>Post Card Receipt</p>			

U.S. APPLICATION NO. 10708946

INTERNATIONAL APPLICATION NO.

PCT/US00/01434

ATTORNEY'S DOCKET NUMBER

NREL 99-17

21.  The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):**

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO

\$1000.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO

\$860.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO

\$710.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)

\$690.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)

\$100.00

**ENTER APPROPRIATE BASIC FEE AMOUNT****CALCULATIONS PTO USE ONLY**

JC13 Rec'd PCT/PTO 01 FEB 2002

Surcharge of \$130.00 for furnishing the oath or declaration later than  20  30 months from the earliest claimed priority date (37 CFR 1.492(e)).

\$ 100.00

\$ 130.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
Total claims	10 -20 =	0	x \$18.00 9	\$ 0
Independent claims	5 -3 =	2	x \$80.00 40	\$ 160.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$270.00	\$ 0

**TOTAL OF ABOVE CALCULATIONS = \$ 390.00** Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

\$

**SUBTOTAL = \$ 195.00**Processing fee of \$130.00 for furnishing the English translation later than  20  30 months from the earliest claimed priority date (37 CFR 1.492(f)).

\$

**TOTAL NATIONAL FEE = \$**

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +

\$

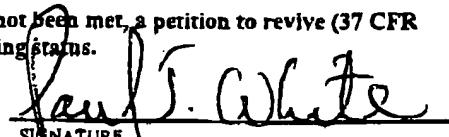
**TOTAL FEES ENCLOSED = \$ 195.00**

Amount to be refunded:	\$
charged:	\$ 195.00

- A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- Please charge my Deposit Account No. 14-1460 in the amount of \$ 195.00 to cover the above fees. A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1460. A duplicate copy of this sheet is enclosed.
- Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

  
SIGNATURE

Paul J. White  
National Renewable Energy Laboratory  
1617 Cole Blvd.  
Golden, CO 80401

Paul J. White  
NAME  
30436  
REGISTRATION NUMBER

10/089469

8703 308 6916

\*\*\*\*\*  
\*\*\* RX REPORT \*\*\*  
\*\*\*\*\*

RECEPTION OK

TX/RX NO	9475
CONNECTION TEL	3033847499
CONNECTION ID	
START TIME	01/30 (WE) 13:38
USAGE TIME	07 '52"
PGS.	28
RESULT	OK